

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1320	455/95	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/25 17:45
L2	0	1 and (cross near cancellat\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/25 17:47
L3	0	455/347 and (cross near cancellat\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/25 17:52
L4	0	455/560 and (cross near cancellat\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/25 17:55
L5	0	455/437 and (cross near cancellat\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/25 17:57
L6	37	"455"/\$.ccls. and (cross near cancellat \$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/25 17:59
L7	1	"455"/575.1 and (cross near cancellat\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/25 18:09
S1	1020	381/1	US-PGPUB; USPAT	OR	OFF	2007/04/19 14:03
S2	1	"6917903"	US-PGPUB; USPAT	OR	OFF	2007/04/19 14:11
S3	97084	adaptive	US-PGPUB; USPAT	OR	OFF	2007/04/19 14:11
S4	110	S1 and S3	US-PGPUB; USPAT	OR	OFF	2007/04/19 14:18
S5	95330	pseudo	US-PGPUB; USPAT	OR	OFF	2007/04/19 14:18
S6	12	S4 and S5	US-PGPUB; USPAT	OR	OFF	2007/04/19 14:18

S7	68	("3170991"   "3219757"   "3236949"   "3238304"   "3249696"   "3892624"   "4060696"   "4068093"   "4118599"   "4139728"   "4159397"   "4192969"   "4199658"   "4208546"   "4209665"   "4218585"   "4309570"   "4356349"   "4388494"   "4394537"   "4567607"   "4603429"   "4625326"   "4661851"   "4696035"   "4700389"   "4706287"   "4782530"   "4893342"   "4908858"   "4910778"   "4910779"   "4975954"   "5034983"   "5056149"   "5095507"   "5095798"   "5136651"   "5173944"   "5208493"   "5301236"   "5319713"   "5333200"   "5381482"   "5384851"   "5412732"   "5418856"   "5420929"   "5436975"   "5438623"   "5440639"   "5517570"   "5524053"   "5533129"   "5546465"   "5579396"   "5581618"   "5598478"   "5659619"   "5862227"   "5889867"   "RE25652").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/19 14:30
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S8	18	("4890300"   "4967164"   "5107520"   "5113414"   "5123031"   "5361156"   "5390364"   "5396190"   "5404378"   "5515013"   "5574990"   "5604468"   "5697073"   "5727066"   "5768317"   "5854605"   "5870668"   "5903823").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/19 15:11
S9	856	381/17	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/19 15:11
S10	115	S3 and S9	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/19 15:11
S11	11	S10 and S5	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/19 15:46
S12	626	381/18	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/19 15:47
S13	77	S3 and S12	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/19 16:32
S14	234	381/19	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/19 17:18
S15	21	S14 and S3	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/19 17:22
S16	152	381/20	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/19 17:22
S17	25	S16 and S3	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/19 17:28
S18	123	381/21	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/19 17:28
S19	20	S18 and S3	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/19 17:38

S20	911	381/61	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/19 17:38
S21	86	S20 and adaptive	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/19 17:39
S22	7	"5357257"	US-PGPUB; USPAT	OR	OFF	2007/04/24 10:17
S23	1021	381/1	US-PGPUB; USPAT	OR	OFF	2007/04/24 10:36
S24	181	electric near sound near signal	US-PGPUB; USPAT	OR	OFF	2007/04/24 10:18
S25	0	S23 and S24	US-PGPUB; USPAT	OR	OFF	2007/04/24 10:18
S26	1021	381/1	US-PGPUB; USPAT	OR	OFF	2007/04/24 12:48
S27	856	381/17	US-PGPUB; USPAT	OR	OFF	2007/04/24 12:48
S28	7	"5357257"	US-PGPUB; USPAT	OR	OFF	2007/04/24 13:40
S29	9903	"white noise"	US-PGPUB; USPAT	OR	OFF	2007/04/24 13:41
S30	36	S27 and S29	US-PGPUB; USPAT	OR	OFF	2007/04/24 13:55
S31	35	S30 and filter	US-PGPUB; USPAT	OR	OFF	2007/04/25 13:41
S32	6	S31 and detector	US-PGPUB; USPAT	OR	OFF	2007/04/24 14:49
S33	856	381/17	US-PGPUB; USPAT	OR	OFF	2007/04/25 13:41
S34	9903	"white noise"	US-PGPUB; USPAT	OR	OFF	2007/04/25 13:41
S35	36	S33 and S34	US-PGPUB; USPAT	OR	OFF	2007/04/25 13:41
S36	35	S35 and filter	US-PGPUB; USPAT	OR	OFF	2007/04/25 13:41
S37	20	S36 and complex	US-PGPUB; USPAT	OR	OFF	2007/04/25 14:09
S38	7	S37 and temporal	US-PGPUB; USPAT	OR	OFF	2007/04/25 14:32
S39	7256	"discrete fourier transform"	US-PGPUB; USPAT	OR	OFF	2007/04/25 14:32
S40	13	S39 and S33	US-PGPUB; USPAT	OR	OFF	2007/04/25 14:33

S41	13	("5400410"   "5511128"   "5541999"   "5550920"   "5666424"   "5719344"   "5727068"   "5778082"   "5890125"   "5946352"   "6021386"   "6148086"   "6311155").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/25 14:42
S42	14	S39 and 381/18	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/25 14:42
S43	63	(US-20040032955-\$ or US-20020039421-\$ or US-20020097880-\$ or US-20020009201-\$ or US-20060215841-\$ or US-20020031232-\$ or US-20010011195-\$ or US-20030099365-\$ or US-20010021257-\$ or US-20020025047-\$ or US-20010012367-\$ or US-20030210800-\$ or US-20030086572-\$ or US-20030076973-\$). did. or (US-5698807-\$ or US-7177526-\$ or US-5357257-\$ or US- 4680796-\$ or US- 5727066-\$ or US- 6680972-\$ or US- 6975912-\$ or US- 6785391-\$ or US- 5530760-\$ or US- 6282247-\$ or US- 7127306-\$ or US- 5818941-\$ or US- 5596644-\$ or US- 6757702-\$ or US- 5721782-\$ or US- 6925116-\$ or US- 5319713-\$ or US- 6970567-\$ or US- 5233661-\$ or US- 5859914-\$ or US- 5844992-\$ or US- 7133529-\$ or US- 6157724-\$ or US- 6449368-\$ or US- 7191022-\$ or US- 6917903-\$).did. or (US- 4815132-\$ or US-	US-PGPUB; USPAT	OR	OFF	2007/04/25 17:09

		5440639-\$ or US- 6920223-\$ or US- 5581618-\$ or US- 6798886-\$ or US- 6870933-\$ or US- 5598478-\$ or US- 7191124-\$ or US- 7171002-\$ or US- 7152082-\$ or US- 7112139-\$ or US- 7099480-\$ or US- 7076071-\$ or US- 7181019-\$ or US- 6961433-\$ or US- 6195435-\$ or US- 5910990-\$ or US- 5761315-\$ or US- 5371799-\$ or US- 6973184-\$ or US- 6990205-\$ or US- 6243476-\$ or US- 5960390-\$).did.				
S44	43	S43 and delay	US-PGPUB; USPAT	OR	OFF	2007/04/25 18:22
S45	4533	"circular buffer"	US-PGPUB; USPAT	OR	OFF	2007/04/25 18:22
S46	856	381/17	US-PGPUB; USPAT	OR	OFF	2007/04/25 18:22
S47	14	S45 and S46	US-PGPUB; USPAT	OR	OFF	2007/04/25 18:22
S48	38	("4901286"   "5136655"   "5339418"   "5371551"   "5371842"   "5414455"   "5463630"   "5566301"   "5596581"   "5596645"   "5598276"   "5664226"   "5692213"   "5729471"   "5754773"   "5758011"   "5761417"   "5774643"   "5784527"   "5802394"   "5805821"   "5835667"   "5838876"   "5850572"   "5878280"   "5915094"   "5930493"   "5995091"   "6097380"   "6134596"   "6195680"   "6195701"   "6233389"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/26 11:01

		"6233629"   "6239793"   "6247069"   "6249319"   "6314466").PN.				
S49	331112	synchroniz\$3 overlap near add	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/25 20:02
S50	125	S49 and S46	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/25 20:02
S51	50	synchroniz\$3 near overlap near add	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/25 20:03
S52	10	("5386082"   "5495534"   "5544249"   "5619579"   "5774560"   "5796849"   "5841875"   "5982902"   "6005949"   "6055502").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/26 10:33
S53	89404	block and packet and multipl\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/26 11:03
S54	25	S53 and 381/17	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/26 11:02
S55	10293	block and packet and multiply\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/26 11:03
S56	2	S55 and 381/17	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/26 11:25
S57	4	S55 and 381/18	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/26 11:30
S58	5	S55 and 381/19	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/26 11:34
S59	2	S55 and 381/20	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/26 11:34
S60	5	dirac and 381/17	US-PGPUB; USPAT	OR	OFF	2007/04/26 12:39
S61	5	dirac and 381/18	US-PGPUB; USPAT	OR	OFF	2007/04/26 12:39
S62	0	dirac and 381/19	US-PGPUB; USPAT	OR	OFF	2007/04/26 12:39

S63	0	dirac and 381/20	US-PGPUB; USPAT	OR	OFF	2007/04/26 12:40
S64	0	dirac and 381/21	US-PGPUB; USPAT	OR	OFF	2007/04/26 12:40
S65	6	dirac and 381/1	US-PGPUB; USPAT	OR	OFF	2007/04/26 12:40
S66	72	(US-20040032955-\$ or US-20020039421-\$ or US-20020097880-\$ or US-20020009201-\$ or US-20060215841-\$ or US-20020031232-\$ or US-20010011195-\$ or US-20030099365-\$ or US-20010021257-\$ or US-20020025047-\$ or US-20010012367-\$ or US-20030210800-\$ or US-20030086572-\$ or US-20030076973-\$ or US-20050246170-\$). did. or (US-5698807-\$ or US-7177526-\$ or US-5357257-\$ or US- 4680796-\$ or US- 5727066-\$ or US- 6680972-\$ or US- 6975912-\$ or US- 6785391-\$ or US- 5530760-\$ or US- 6282247-\$ or US- 7127306-\$ or US- 5818941-\$ or US- 5596644-\$ or US- 6757702-\$ or US- 5721782-\$ or US- 6925116-\$ or US- 5319713-\$ or US- 6970567-\$ or US- 5233661-\$ or US- 5859914-\$ or US- 5844992-\$ or US- 7133529-\$ or US- 6157724-\$ or US- 6449368-\$ or US- 7191022-\$ or US- 6917903-\$).did. or (US- 4815132-\$ or US- 5440639-\$ or US- 6920223-\$ or US- 5581618-\$ or US- 6798886-\$ or US-	US-PGPUB; USPAT	OR	OFF	2007/04/26 13:11



		6870933-\$ or US- 5598478-\$ or US- 7191124-\$ or US- 7171002-\$ or US- 7152082-\$ or US- 7112139-\$ or US- 7099480-\$ or US- 7076071-\$ or US- 7181019-\$ or US- 6961433-\$ or US- 6195435-\$ or US- 5910990-\$ or US- 5761315-\$ or US- 5371799-\$ or US- 6973184-\$ or US- 6990205-\$ or US- 6243476-\$ or US- 5960390-\$ or US- 7039194-\$ or US- 6233629-\$ or US- 6134596-\$ or US- 5915094-\$).did. or (US- 5838876-\$ or US- 5495534-\$ or US- 6195701-\$ or US- 6940987-\$).did.				
S67	59	S66 and equal\$7	US-PGPUB; USPAT	OR	OFF	2007/04/26 16:14
S68	856	381/17	US-PGPUB; USPAT	OR	OFF	2007/04/26 18:05
S69	626	381/18	US-PGPUB; USPAT	OR	OFF	2007/04/26 18:07
S70	2	381/221	US-PGPUB; USPAT	OR	OFF	2007/04/26 18:07
S71	123	381/21	US-PGPUB; USPAT	OR	OFF	2007/04/26 18:07
S72	9	("5105462"   "5371799"   "5467401"   "5581618"   "5666425"   "5822438"   "5946400"   "6259795"   "6307941").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/26 18:08
S73	545	multip\$4 and 381/17	US-PGPUB; USPAT	OR	OFF	2007/04/29 19:21
S74	431	multiple\$2 and 381/17	US-PGPUB; USPAT	OR	OFF	2007/04/29 19:21
S75	147	multiply\$3 and 381/17	US-PGPUB; USPAT	OR	OFF	2007/04/29 19:28

S76	0	(multiply\$3 near revers \$3) and 381/17	US-PGPUB; USPAT	OR	OFF	2007/04/29 19:56
S77	28	kimura-masaru\$.in.	US-PGPUB; USPAT	OR	OFF	2007/04/29 19:58
S78	10	matsuoka-bunkei\$.in.	US-PGPUB; USPAT	OR	OFF	2007/04/29 19:58
S79	85	(US-20020031232-\$ or US-20030219130-\$ or US-20030215104-\$ or US-20040032955-\$ or US-20020009201-\$ or US-20030099365-\$ or US-20010011195-\$ or US-20060215841-\$ or US-20030076973-\$ or US-20020025047-\$ or US-20020097880-\$ or US-20010021257-\$ or US-20010012367-\$ or US-20020039421-\$ or US-20030210800-\$ or US-20030086572-\$ or US-20030053633-\$ or US-20050246170-\$). did. or (US-6870933-\$ or US-4680796-\$ or US-6449368-\$ or US- 5581618-\$ or US- 5319713-\$ or US- 5596644-\$ or US- 5818941-\$ or US- 5727066-\$ or US- 5530760-\$ or US- 5910990-\$ or US- 5960390-\$ or US- 6680972-\$ or US- 6195435-\$ or US- 5598478-\$ or US- 7191022-\$ or US- 6920223-\$ or US- 6917903-\$ or US- 6804358-\$ or US- 7133529-\$ or US- 7127306-\$ or US- 6975912-\$ or US- 6925116-\$ or US- 6798886-\$ or US- 6785391-\$ or US- 4700389-\$ or US- 5440639-\$).did. or (US- 4815132-\$ or US- 6757702-\$ or US-	US-PGPUB; USPAT	OR	OFF	2007/10/01 11:18

		5761315-\$ or US 6282247-\$ or US 6157724-\$ or US 6970567-\$ or US 5859914-\$ or US 5844992-\$ or US 7177526-\$ or US 5233661-\$ or US 5357257-\$ or US 5721782-\$ or US 5698807-\$ or US 7191124-\$ or US 7171002-\$ or US 7152082-\$ or US 7112139-\$ or US 7099480-\$ or US 7076071-\$ or US 7039194-\$ or US 6961433-\$ or US 6862356-\$ or US 6990205-\$ or US 6614910-\$ or US 6771778-\$ or US 6574339-\$ or US 6546105-\$).did. or (US- 6243476-\$ or US 6973184-\$ or US 6940987-\$ or US 7043036-\$ or US 7206419-\$ or US 7181019-\$ or US 6879952-\$ or US 6233629-\$ or US 6195701-\$ or US 5371799-\$ or US 5915094-\$ or US 6134596-\$ or US 5838876-\$ or US 5495534-\$).did.				
S80	37	S79 and reflect\$4	US-PGPUB; USPAT	OR	OFF	2007/10/01 12:09
S81	9	"5357257"	US-PGPUB; USPAT	OR	OFF	2007/10/01 12:09
S82	1	"20070098180"	US-PGPUB; USPAT	OR	OFF	2008/04/18 11:46

S83	86	(US-20020097880-\$ or US-20020031232-\$ or US-20030219130-\$ or US-20030210800-\$ or US-20030086572-\$ or US-20010012367-\$ or US-20010021257-\$ or US-20020025047-\$ or US-20030215104-\$ or US-20050246170-\$ or US-20060215841-\$ or US-20030076973-\$ or US-20030099365-\$ or US-20030053633-\$ or US-20010011195-\$ or US-20020009201-\$ or US-20040032955-\$ or US-20020039421-\$ or US-20070098180-\$). did. or (US-6574339-\$ or US-6925116-\$ or US-5357257-\$ or US- 5761315-\$ or US- 5960390-\$ or US- 6614910-\$ or US- 7133529-\$ or US- 7039194-\$ or US- 5818941-\$ or US- 7043036-\$ or US- 7206419-\$ or US- 6195701-\$ or US- 5495534-\$ or US- 5844992-\$ or US- 5838876-\$ or US- 5915094-\$ or US- 6804358-\$ or US- 7112139-\$ or US- 6879952-\$ or US- 6940987-\$ or US- 7099480-\$ or US- 4700389-\$ or US- 6757702-\$ or US- 5233661-\$ or US- 6798886-\$ or US- 6233629-\$).did. or (US- 6990205-\$ or US- 5727066-\$ or US- 5440639-\$ or US- 5581618-\$ or US- 5371799-\$ or US- 6282247-\$ or US- 4680796-\$ or US- 5598478-\$ or US-	US-PGPUB; USPAT	OR	OFF	2008/04/18 12:36
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		6195435-\$ or US- 7191124-\$ or US- 6975912-\$ or US- 6449368-\$ or US- 7181019-\$ or US- 5596644-\$ or US- 5910990-\$ or US- 6243476-\$ or US- 5698807-\$ or US- 4815132-\$ or US- 5530760-\$ or US- 6785391-\$ or US- 7127306-\$ or US- 6680972-\$ or US- 7171002-\$ or US- 6771778-\$ or US- 6157724-\$ or US- 6546105-\$ or US- 7152082-\$).did. or (US- 6973184-\$ or US- 6134596-\$ or US- 5859914-\$ or US- 7177526-\$ or US- 5721782-\$ or US- 6862356-\$ or US- 6920223-\$ or US- 6917903-\$ or US- 7191022-\$ or US- 5319713-\$ or US- 6961433-\$ or US- 7076071-\$ or US- 6870933-\$ or US- 6970567-\$).did.				
S84	781	(amplifier or speaker) same (transfer near function\$1) same (case or housing)	US-PGPUB; USPAT	OR	OFF	2008/04/18 12:37
S85	3	S84 and S83	US-PGPUB; USPAT	OR	OFF	2008/04/18 12:37
S86	15	381/17 and S84	US-PGPUB; USPAT	OR	OFF	2008/04/18 12:42
S87	6	381/19 and S84	US-PGPUB; USPAT	OR	OFF	2008/04/18 12:45
S88	0	(transfer same function same inner same accoustic same speaker\$1 same process\$4).clm.	US-PGPUB; USPAT	OR	OFF	2008/04/18 14:50

S89	0	(transfer same function same inner same accoustic same speaker\$1).clm.	US-PGPUB; USPAT	OR	OFF	2008/04/18 14:50
S90	0	(transfer same function same inner same acoustical same speaker\$1).clm.	US-PGPUB; USPAT	OR	OFF	2008/04/18 14:51
S91	665	381/18	US-PGPUB; USPAT	OR	OFF	2008/04/18 14:51
S92	8	S84 and 381/59	US-PGPUB; USPAT	OR	OFF	2008/04/18 14:53

4/ 25/ 2008 6:13:32 PM

C:\ Documents and Settings\ gmonikang\ My Documents\ EAST\ Workspaces\ treating  
electric sound signal.wsp